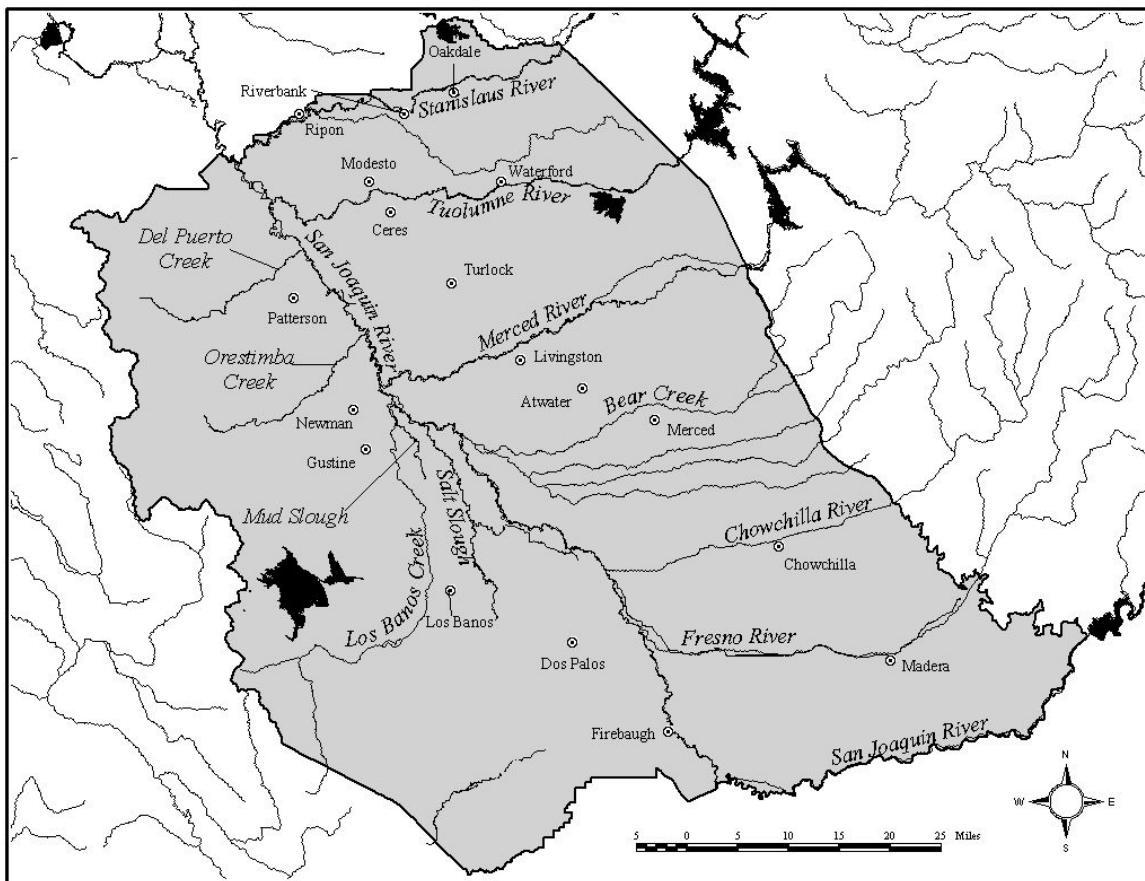
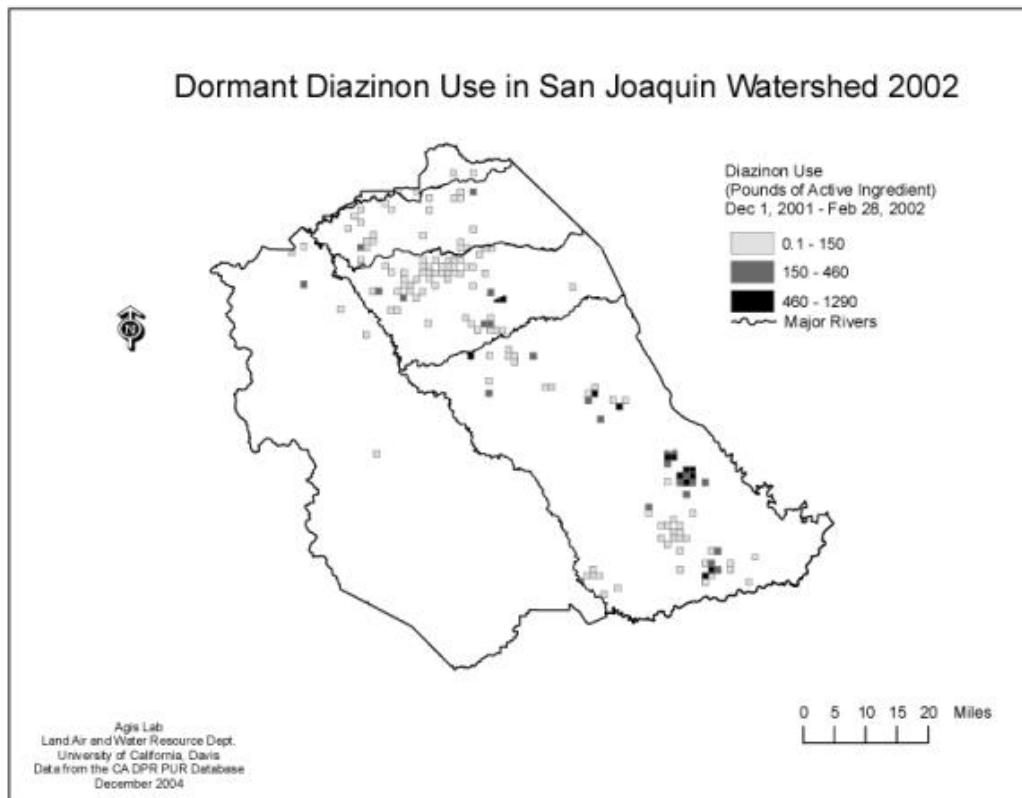


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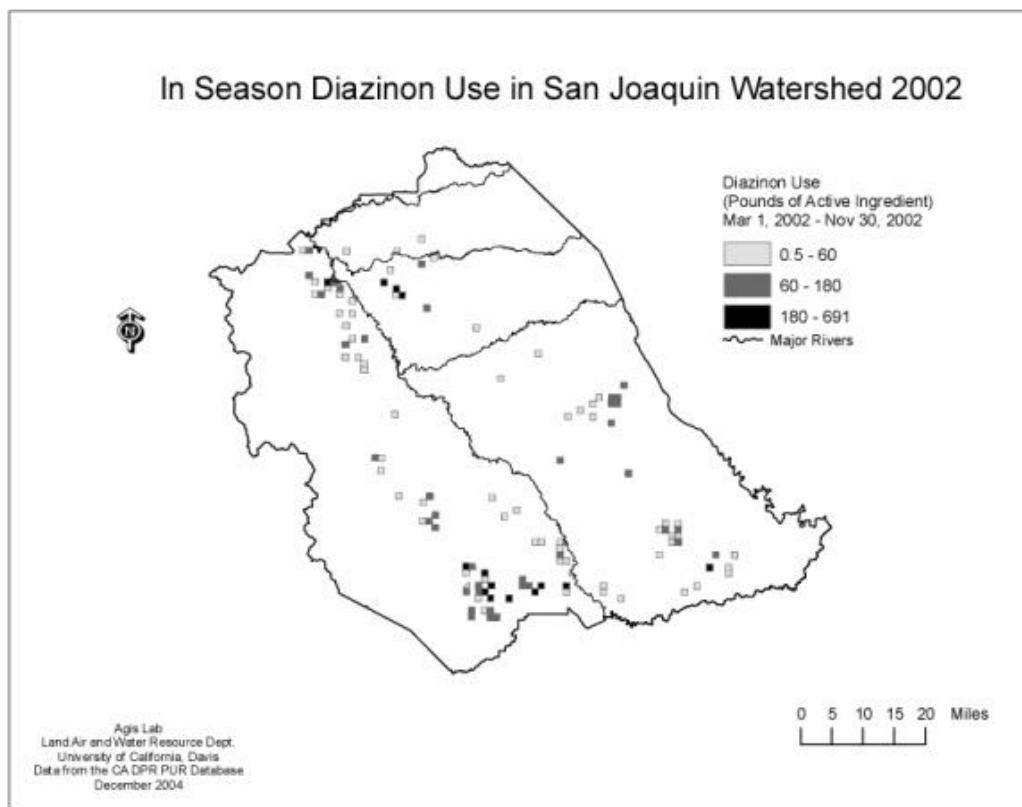
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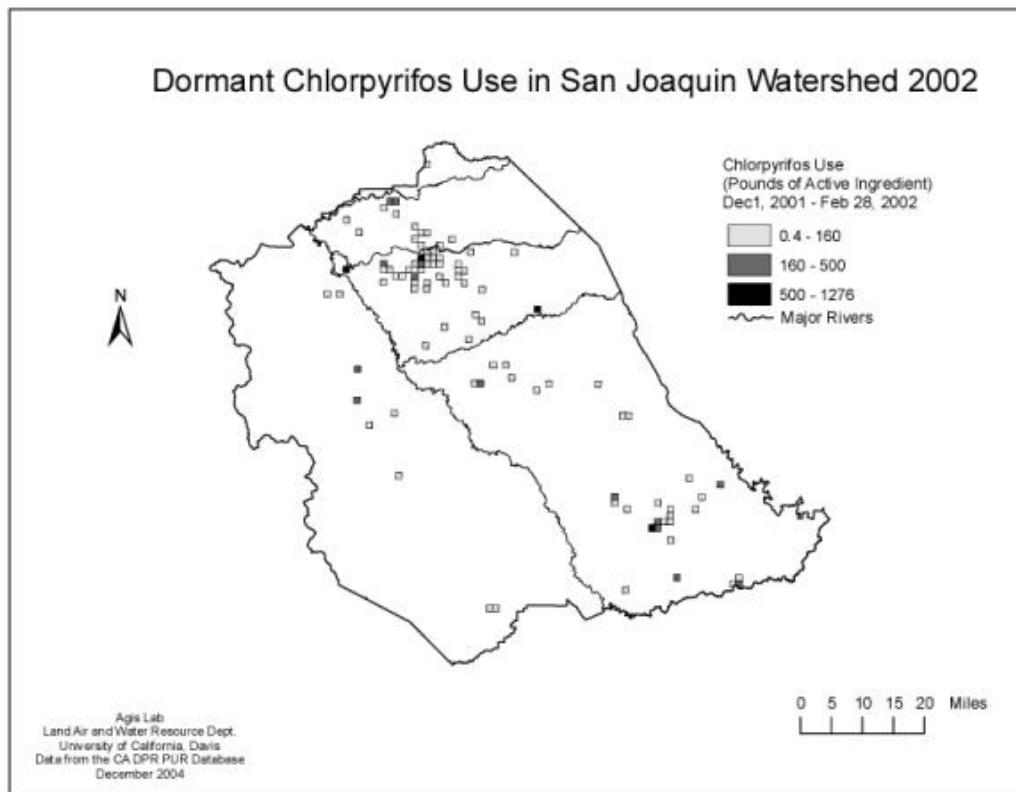
**Figure 1.1 Location Map of the Lower SJR Basin**



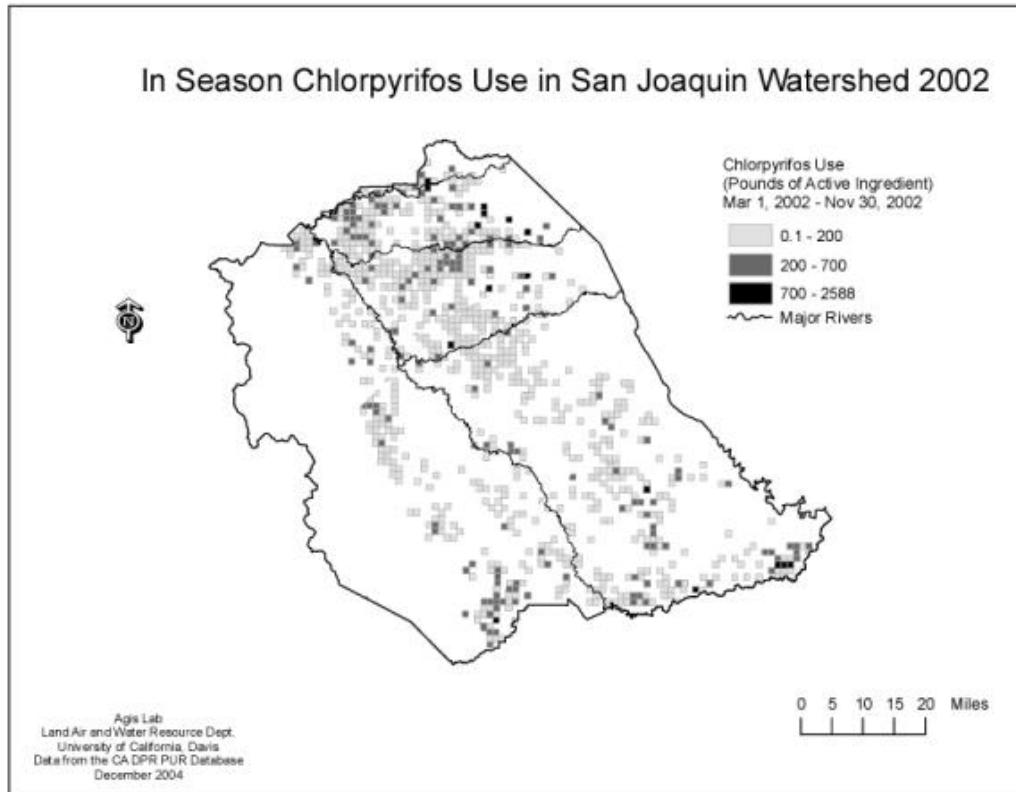
**Figure 1.2 Dormant Season Diazinon Use in the SJR Watershed 2002**



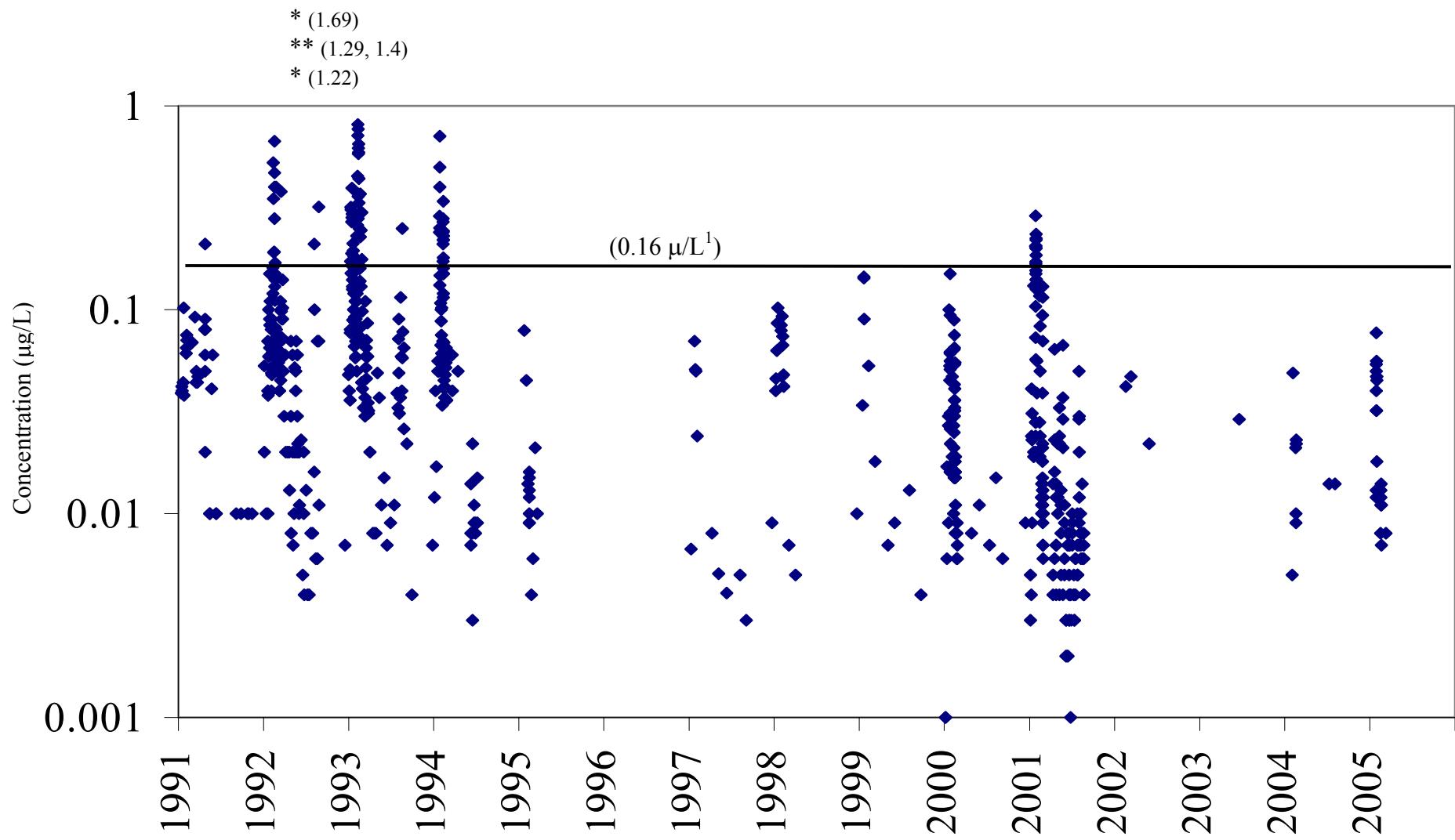
**Figure 1.3 Irrigation Season Diazinon Use in the SJR Watershed 2002**



**Figure 1.4 Dormant Season Chlorpyrifos Use in the SJR Watershed 2002**



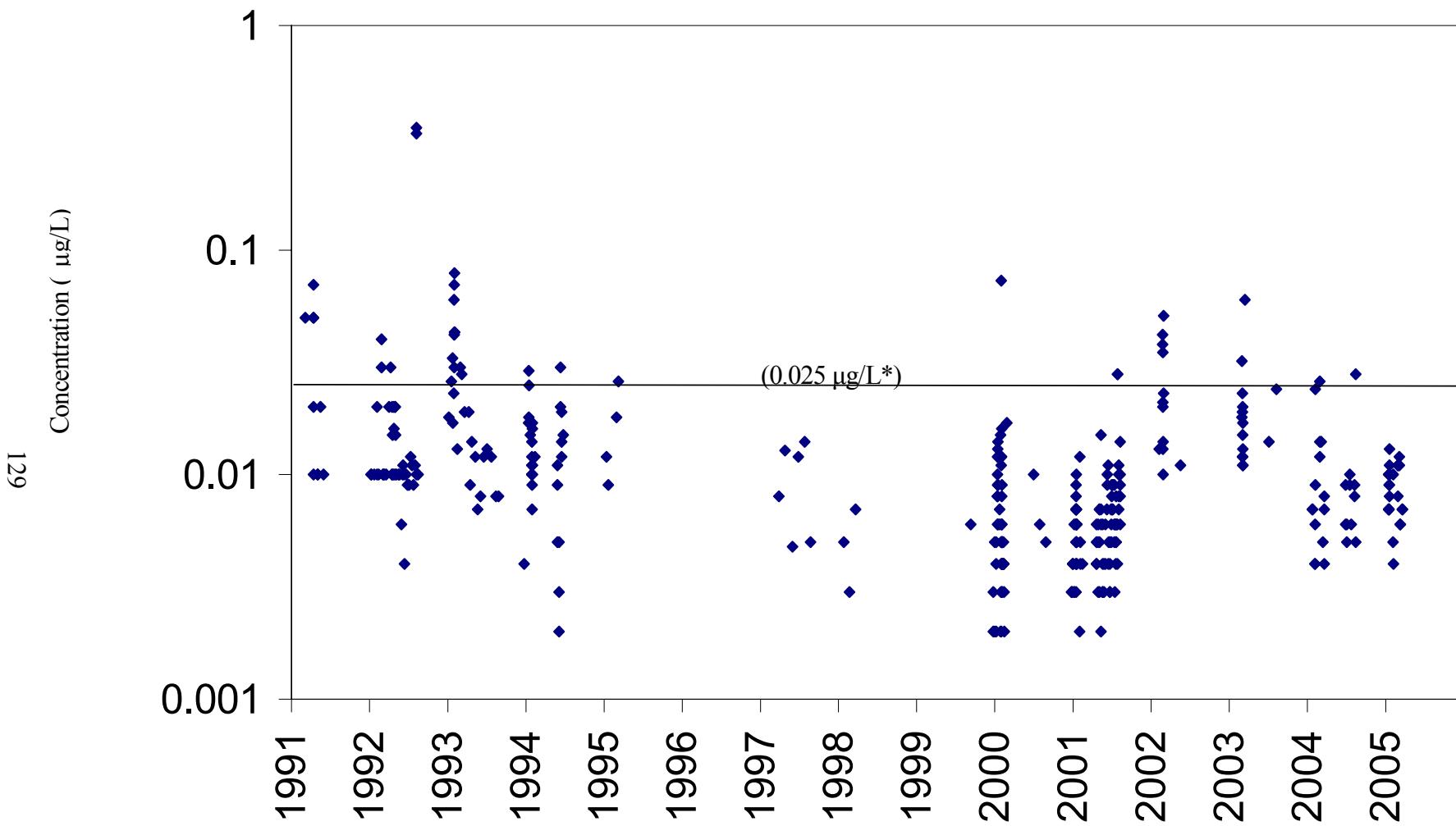
**Figure 1.5 Irrigation Season Chlorpyrifos Use in the SJR Watershed 2002**



**Figure 1.6. Diazinon concentrations for SJR at mainstem stations 1991-2005.**

Not shown are 869 non-detect values.

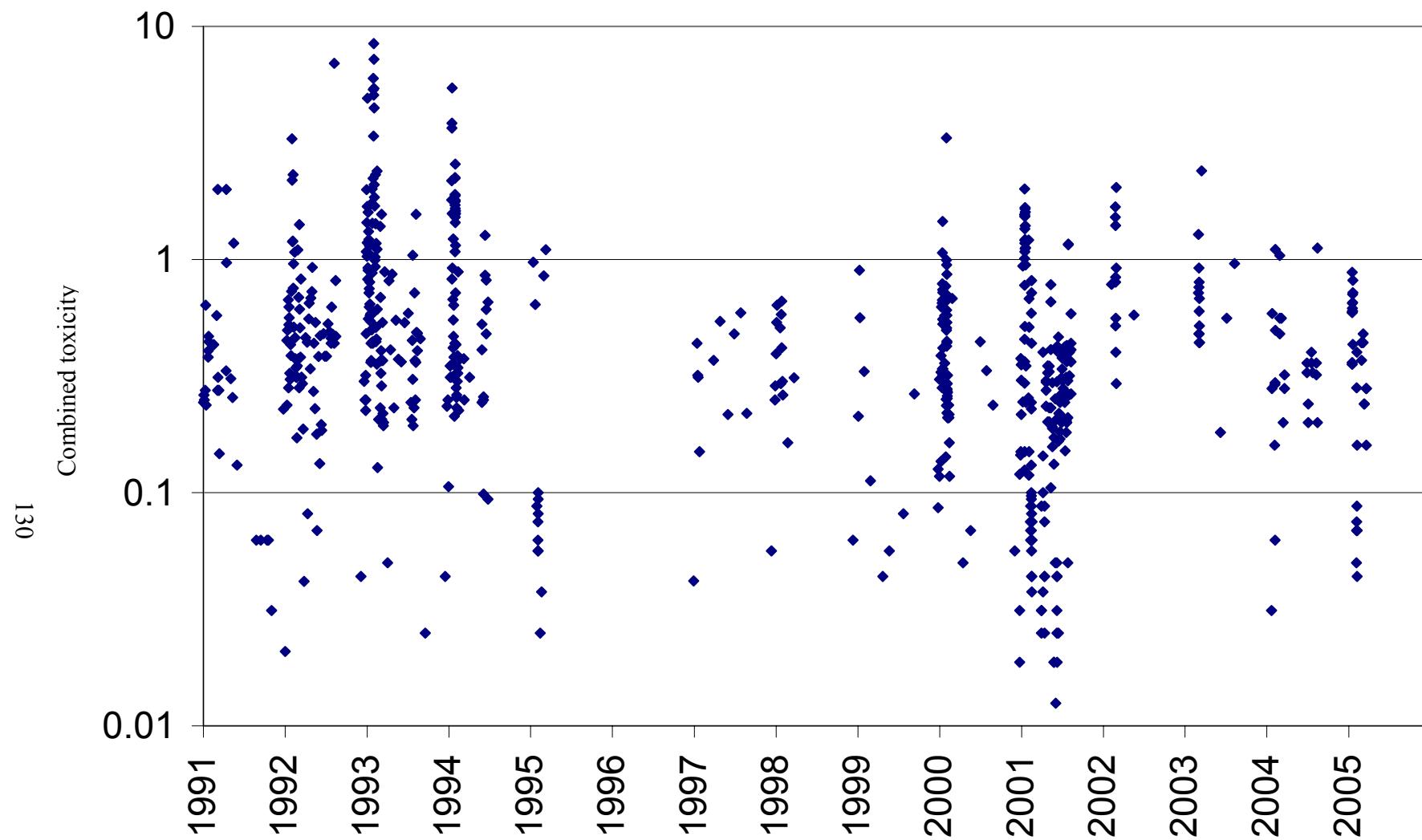
<sup>1</sup>Acute toxicity water quality target =  $0.16\mu\text{g/L}$



**Figure 1.7. Chlorpyrifos concentrations for SJR at mainstem stations 1991-2005.**

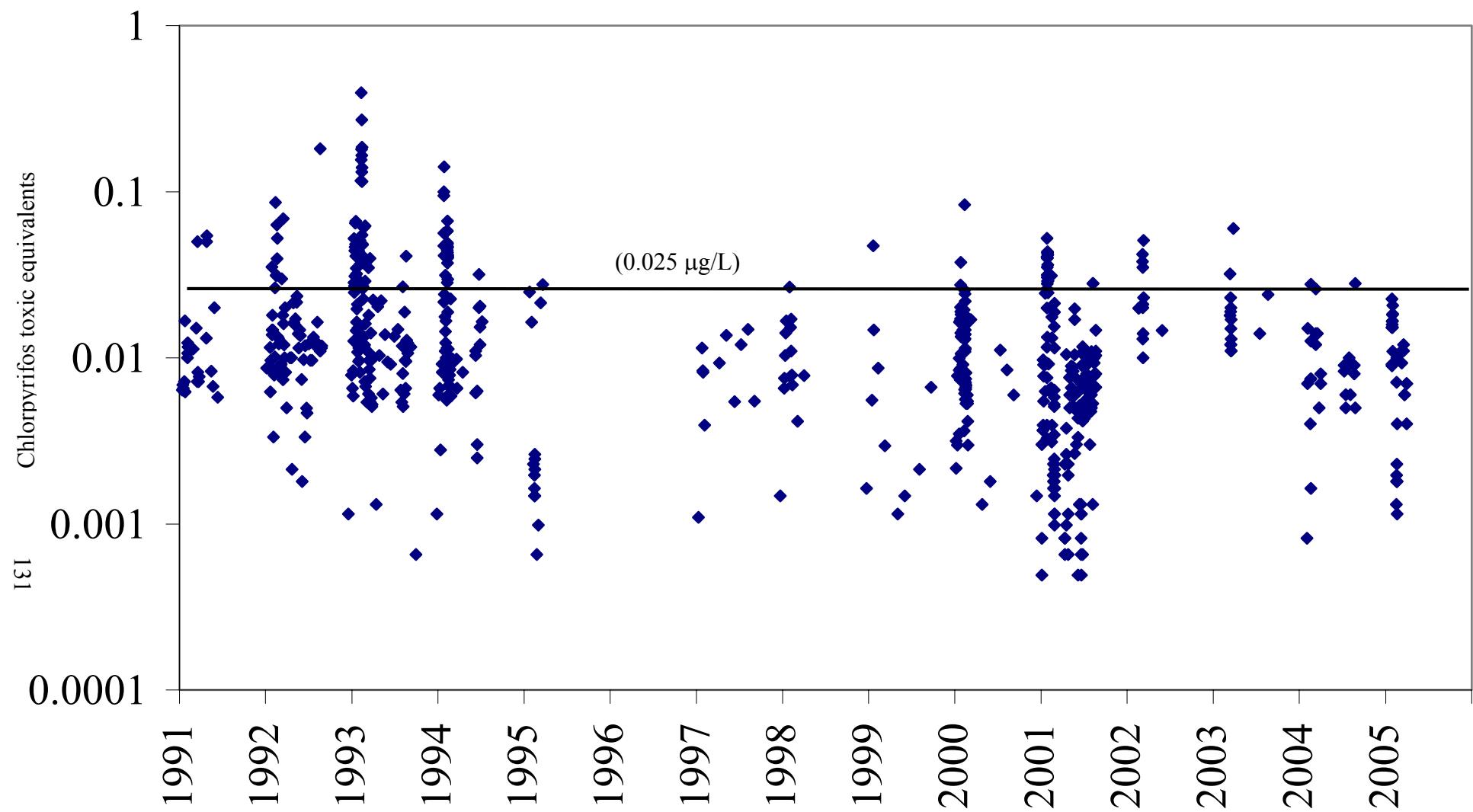
Not shown are 1,006 non-detect concentration values.

\*Acute water quality objective for chlorpyrifos = 0.025 µg/L

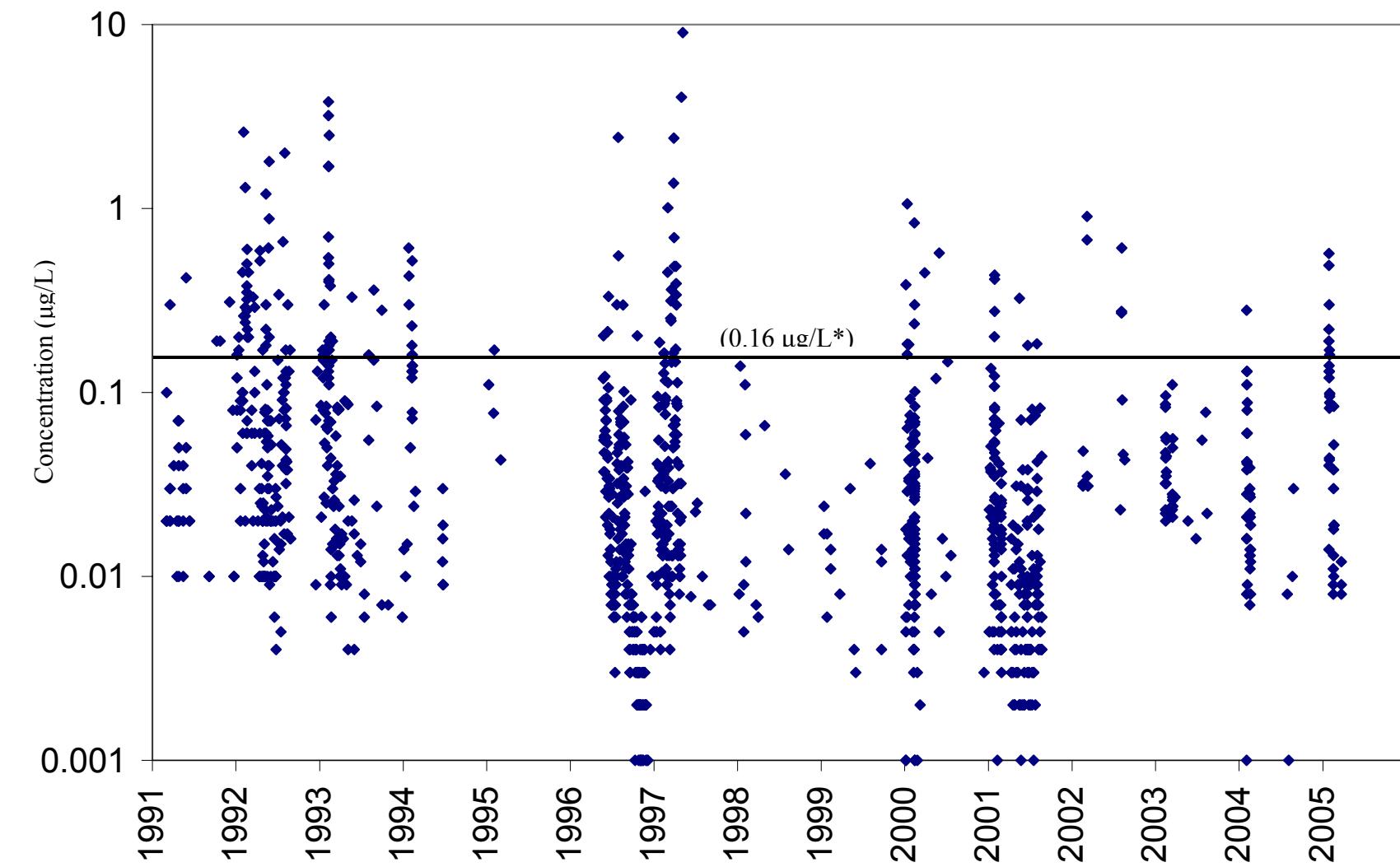


**Figure 1.8. Basin Plan method analysis of combined chlorpyrifos and diazinon toxicity in San Joaquin River at mainstem stations 1991-2005 .**

Data points plotting above 1 are toxic. Not shown are 650 non-detect concentration values.



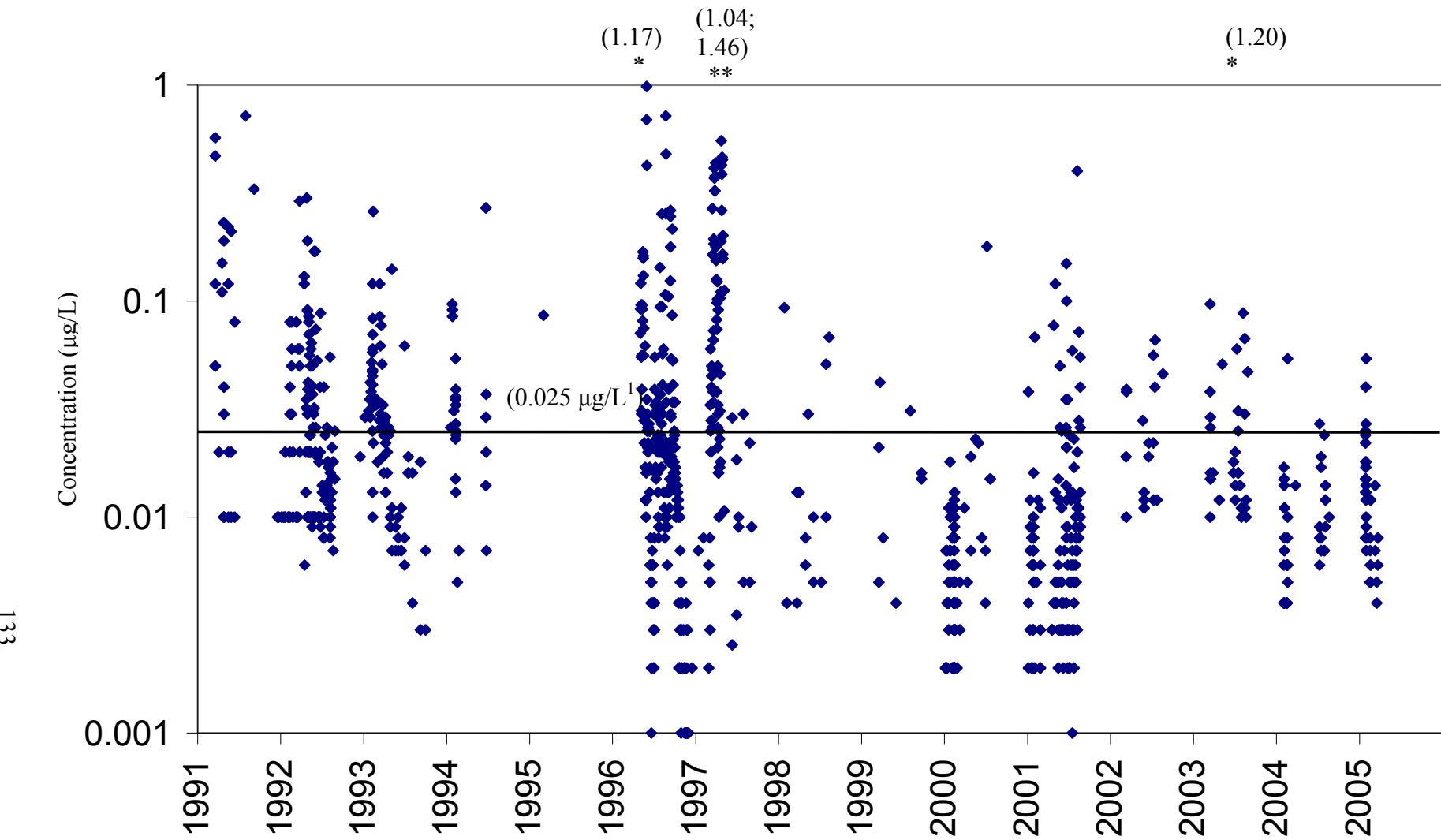
**Figure 1.9 Toxic equivalents method analysis of combined diazinon and chlorpyrifos toxicity in mainstem SJR.  
1991-2005** Not shown are 650 non-detect concentration values.



**Figure 1.10. Diazinon concentrations in SJR tributaries 1991-2005.**

Not shown are 641 non-detect concentration values

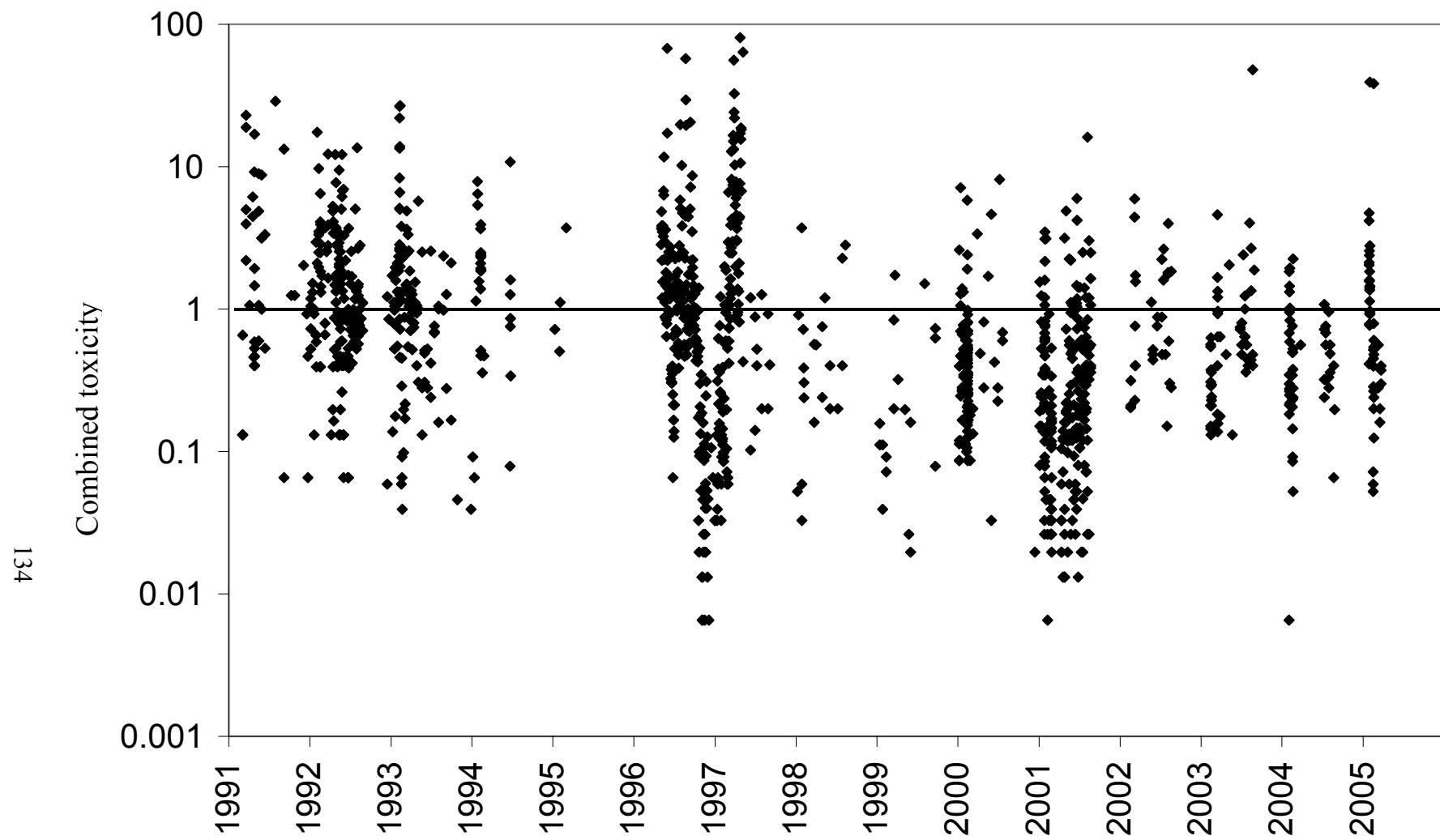
\*Acute toxicity water quality target = 0.16  $\mu\text{g}/\text{L}$



**Figure 1.11. Chlorpyrifos concentrations in SJR tributaries 1991-2005.**

Not shown are 849 non-detect concentration values.

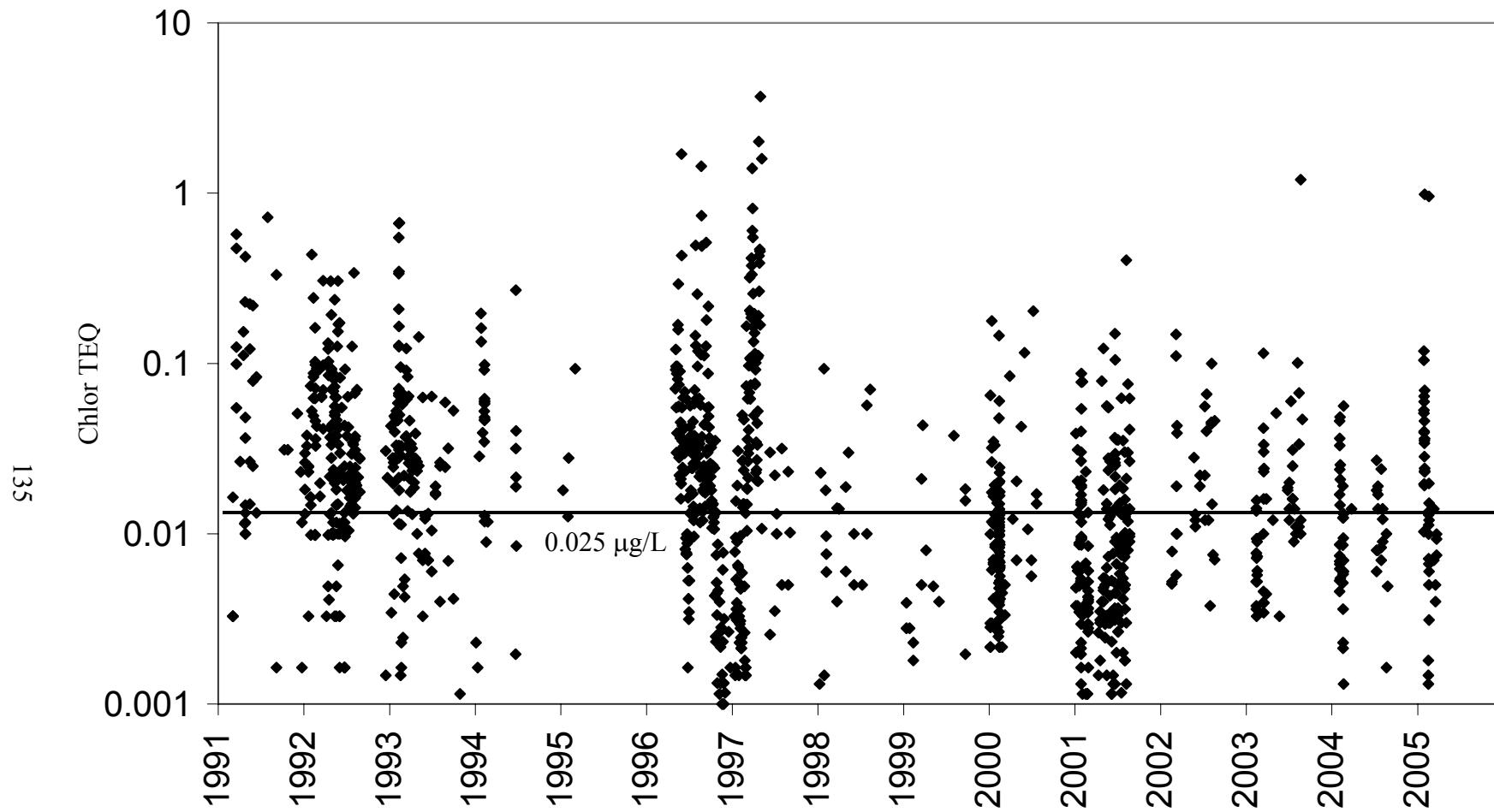
<sup>1</sup>Acute water quality objective for chlorpyrifos = 0.025  $\mu\text{g/L}$



**Figure 1.12. Basin Plan method analysis of combined chlorpyrifos and diazinon toxicity in SJR tributaries 1991-2005.**

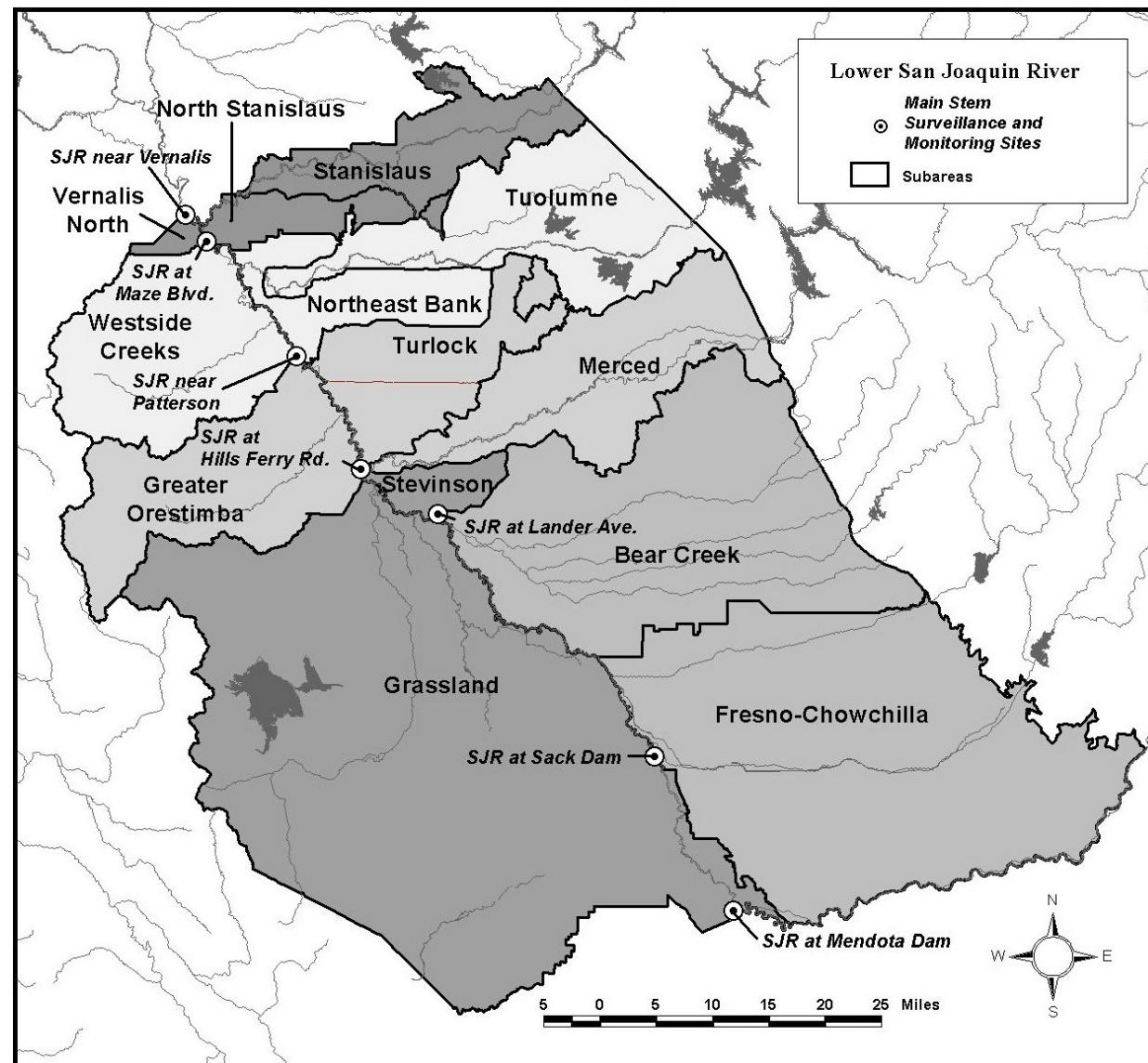
Not shown are 532 non-detect values.

Values equal to or greater than 1 are toxic.



**Figure 1.13 Toxic Equivalents Method Analysis of Combined Diazinon and Chloryrifos Toxicity in SJR Tributaries (1991 – 2005)**

Not shown are 532 non-detect values. Values greater than 0.025 are toxic.



**Figure 4.1. Lower SJR Mainstem Monitoring Sites and Tributary Subareas**